



Product data sheet

49945 - Flat cable combi 5G2.5mm²+2x1.5mm² PVC PP 2.0



Flat cable Woertz combi 5x2.5 mm 2+2x1.50mm 2 PVC purple 3LNPE

| Characteristics                |                      |
|--------------------------------|----------------------|
| Eldas number                   | 113388083            |
| Base Unit                      | Meter                |
| availability                   | available from stock |
| EAN Code                       | 7611718241604        |
| group                          | 170000               |
| Packaging unit                 | -                    |
| country of origin              | CH                   |
| Customs tariff number          | 854449               |
| Weight (g)                     | 350 g                |
| Copper weight (g)              | 149 g                |
| Technical data                 |                      |
| Construction (mm²)             | 5x2.5+2x1.5 mm²      |
| Dimensions width x height (mm) | 32x6 mm              |
| Halogen free                   | No                   |
| Cable type                     | PVC flat cable       |



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|                                       |                                    |
|---------------------------------------|------------------------------------|
| International designation             | N1VVH2-K                           |
| Reaction to fire classification       | Eca                                |
| Cross section (mm <sup>2</sup> )      | 2.5 mm <sup>2</sup>                |
| Copper conductor                      | Tinned, flexible KL5 EN60228       |
| Conductor resistance (ohm/km)         | 8,21 ohm/km                        |
| cores insulation                      | PVC                                |
| Cores colors                          | gray,black,brown,blue,green/yellow |
| Cross section -BUS (mm <sup>2</sup> ) | 1,5 mm <sup>2</sup>                |
| BUS-Copper conductor                  | Tinned, flexible KL5 EN60228       |
| BUS-Conductor resistance (ohm)        | 13,7 ohm                           |
| BUS-Cores insulation                  | Polyertylene                       |
| BUS-Cores colors                      | Nature                             |
| BUS-Screen                            | Aluminum tape                      |
| Sheat insulation                      | PVC                                |
| Sheath color                          | Purple                             |
| Minimum bending radius                | 6xH                                |
| Operating Temperature (°C)            | -25 to 70 °C                       |
| Installation temperature min. (°C)    | 5 °C                               |
| Nominal voltage (VAC)                 | 600/1000 VAC                       |
| Test voltage                          | 4 kV/50Hz                          |
| BUS-Rated voltage (V)                 | 300 V                              |



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|                              |                 |
|------------------------------|-----------------|
| BUS-Test voltage             | 4 kV/50Hz       |
| BUS-capacity (pF/m)          | 70 pF/m pF/m    |
| BUS-Attenuation              | 1.2 dB/m @1Hz   |
| BUS-Impedance                | 75 Ohm @ 1MHz   |
| Fire load (kWh/m)            | 1,18            |
| Flame retardant according to | IEC/EN60332-1-2 |



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### Product accessories



**49731 - Fastening clamp FC combi / power**  
to screw on



**49733 - Fastening clamp FC combi / power**  
Cable clamp screw-on, for flat cable power 5G2.5 mm<sup>2</sup>



**49960 - Insulating pad for flat cable**  
Scotch 2210



**49733A - Fastening clamp FC combi / power Glue**  
Cable clamp for gluing, for flat cable power 5G2.5 mm<sup>2</sup>



**49386 E90 - Riser clamp E90**  
Max. Bride load: 50kg. For Woertz fire safety flat cable: Woertz FE180 3G2.5 and 4 mm<sup>2</sup>, Woertz FE180 5G2.5, 4 6 mm<sup>2</sup>. For Woertz flat cable: Woertz Technofil 5G2.5 1.5 mm<sup>2</sup>, Woertz power 5G2.5 mm<sup>2</sup>, Woertz Power IP 5G2.5 mm<sup>2</sup> 6 mm<sup>2</sup>, Woertz combi 5G2.5 mm<sup>2</sup> 2x1.5 mm<sup>2</sup>, Woertz Dali IP 5G2.5 mm<sup>2</sup> 2x1.5 mm<sup>2</sup>, Woertz Dali 3/5G2.5 mm<sup>2</sup> 2x1.5 mm<sup>2</sup>, Woertz 5G4 mm<sup>2</sup>, Woertz 7G2.5 mm<sup>2</sup>.



**49935 - Cutting shears up to 6 mm<sup>2</sup>**  
Woertz flat cable shears up to 5x6 mm<sup>2</sup> (with higher force up to 5x16 mm<sup>2</sup>)



**48510/07 - End piece combi / DALI 5G2.5mm<sup>2</sup>+2x1.5mm<sup>2</sup> IP68**  
End piece IP68 for flat cables combi /DALI 5G2.5mm<sup>2</sup>+2x1.5mm<sup>2</sup>.



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### Product systems



#### Flat cable system Combi 5G2.5 2x1.5 mm<sup>2</sup>

Intelligent building control in a flexible system. Power current and bus data line combined for maximum efficiency. For office and public buildings, industrial buildings, hotels and modern modular buildings. Experience the future of building automation with our innovative solution.

